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Towards Sustainable Water Resources Management in Central Asia



SWAN network

SWAN in Brief

Sustainable WAter resources management **N**etwork in Central Asia-**SWAN** is a Network whose purpose is
to build and strengthen water resources partnerships among Central Asian water stockholders;
to promote education and the open exchange of information and technical expertise;
to enhance communication, cooperation, and collaboration towards a sustainable water management in Central Asia.

Vision

Water resources in Central Asia are well managed in an integrated and sustainable manner.

Mission

To enhance sustainable water resources management in Central Asia by providing an inclusive and collaborative environment among individuals, organizations, and governments.

Goals

- Facilitate the exchange of experience, best practice in water resource management in Central Asia
- Promote meaningful research and technology transfer on contemporary and emerging water resources issues
- Compile and disseminate information on water problems and solutions in central Asia
- Inform the public about water issues with the objective of promoting informed decisions at all levels of society



ABOUT SWAN

- With dramatic economic development in Kazakhstan, and the other Central Asian states such as Kyrgyzstan, Tajikistan and Uzbekistan are poised to grow significantly over the next few years. Yet, this potential is marred by severe environmental insecurities mainly caused by poor integrated management of the environment and resources.
- The EU Water Initiative points out that the region has an extremely high level of water consumption and that this consumption is due to very inefficient agricultural irrigation practices. In addition, World Bank research indicates that about 79% of Central Asia's irrigated water is lost.
- Therefore, an immediate attention should be paid on improving its water management and domestic water specialists are desirable.



ABOUT SWAN

SPECIFIC OBJECTIVES

- Central Asia faces challenges in water management issues due to the lack of cooperation and poor management of water, SWAN is a project with special aims at:
- Developing a curriculum in water resources management at Master degree level
- Establishing a Water Resource Management Centre and a Regional Network



Outcomes and outputs

To achieve the project goals, SWAN made a series of developmental activities:

- Development of a curriculum in water resources management with a regional dimension and in line with the requirements of the Bologna process
- Establishment of Water Resource Management Centres and a Regional Network
- Development of an exchange programme for both students and teachers from partner countries to EU
- Dissemination through websites, internal and external information days, networking activities and various publications
- The project and its outputs sustained at university, national and regional levels by implementing the Master programme, setting up the Water Resource Management Centre and the Regional Network respectively.
- Quality Board set up for both internal and external quality assurance.



Partners

- [University of Alicante](#) Spain
- [Ministry of Higher and Secondary Specialized Education](#) Uzbekistan
- [Ministry of Education and Science](#) Kyrgyzstan
- [Ministry of Agriculture, Water Resources and Processing Industry](#) Kyrgyzstan
- [Ministry of Land Reclamation and Water Recourses](#) Tajikistan
- [Ministry of Agriculture](#) Kazakhstan
- [Ministry of Education and Science](#) Kazakhstan
- [Technological University of Tajikistan](#) Tajikistan
- Tajik Technical University named after Akademican M.S. Osimi Tajikistan
- Kyrgyz State Technical University named after Isaak Razzakov Kyrgyzstan
- [Kyrgyz National University](#) Kyrgyzstan
- [Kazakh National Technical University](#) Kazakhstan
- [Kazah National Agrarian University](#) Kazakhstan
- [Warsaw University of Life Science](#) Poland
- [Karshi Engineering-Econmic Institute](#) Uzbekistan
- [Tashkent Institute of Irrigation and Melioration](#) Uzbekistan
- [Slovak University of Technology in Bratislava](#) Slovakia
- [University Degli Studi Di Genova](#) Italy

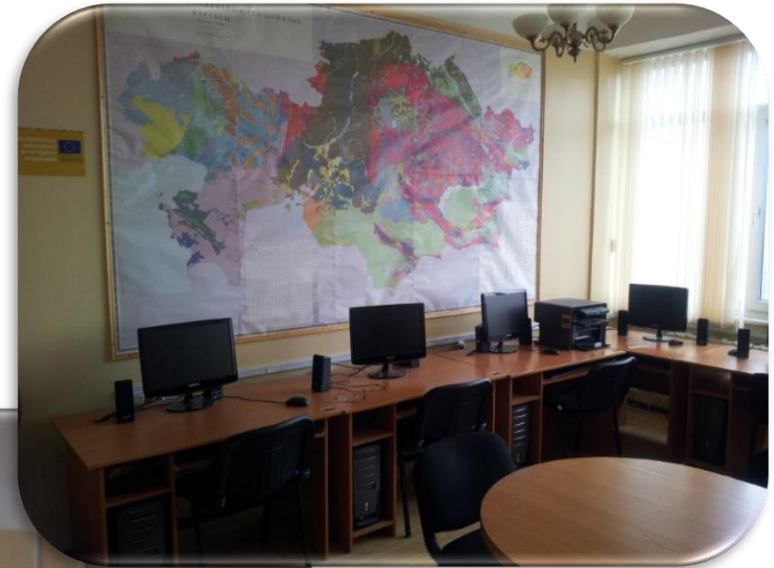




Water Resources Management Centers

Water Resources Management Center was established under the SWAN project in each partner country: Kazakhstan, Kyrgyzstan, Tajikistan and Uzbekistan.

One of the main objectives of each national Center is to train new generation and specialists on Sustainable Water Resources Management in Central Asia and encourage cooperation in the region.





THANK YOU!

